

AMENDMENTS TO THE SPECIFICATION

Amend the paragraph beginning at page 3, line 20 as follows:

A method and system for verifying resolution of attributes of commands of a computer program is provided. In one embodiment, the verification system analyzes a command-based computer program prior to runtime to determine whether the input attributes associated with its commands would be properly resolved prior to execution of the commands at runtime. A command specifies a function that is part of the program, and the attributes of the command correspond to input and output parameters of the command. The verification system processes the commands of the program in sequence. For each input attribute of a command, the verification system identifies a source (e.g., output attribute of another command) of the value for the input attribute. The verification system then determines whether that source would itself be resolved to during execution of the computer program at the time the command is ready to be performed. If the verification system determines that the source would not be resolved, then the verification system indicates that that input attribute would also not be properly resolved at runtime. A programmer may then modify the computer program to ensure that input attribute would be resolved when the command is ready to be performed. In this way, attribute resolution problems that would occur during runtime of the program can be identified and corrected during development of the computer program. In one embodiment, the verification system verifies command-based programs as defined and works in conjunction with an execution system that is described in U.S. Patent Application No. 09/681,567, entitled "Method and System for Executing a Computer Program," which is being filed concurrently and which is hereby incorporated by reference.

Amend the paragraph beginning at page 18, line 29 as follows:

Figure 12 is a flow diagram illustrating the processing of the resolve set method component in one embodiment. The component is passed an indication of a set method and determines whether its value would be resolved at runtime based on the resolution of the source of its value. The component checks the resolved list to determine whether the input attribute would be resolved. In decision block 1201, if the input attribute has been encountered when

processing a method of another command, then the component continues at block 1203, else the component continues at block 1202. In decision block 1202, if the input attribute is defined by the descriptor of the passed command (e.g., a "value" attribute of the descriptor), then the component continues at block 1203, else the component continues at block 1204. In block 1203, the component retrieves descriptive information relating to the input attribute from either the previous encounter or the descriptor. In block 1204, the component sets of the source to indicate the source of either the previously encountered input attribute or the input attribute defined in the descriptor. Otherwise, the source is set to the name indicated by the set method. In block 1205, the component retrieves the parameter types for the passed method. In decision block ~~1205~~ 1206, if the passed method has only one parameter, then it is a set method that can be processed by the verification system and the component continues at 1207, else the component returns. In block 1207, the component creates an attribute information entry associated with the input attribute of the currently selected command. The component sets the name, direction (i.e., input) of the attribute, and source of the attribute. In block 1208, the component sets the resolution of the attribute information entry to indicate whether the input attribute is resolved. The input attribute is resolved if the identified source is itself ~~[[a]]~~ resolved as indicated by the resolved list. The verification system maintains a list of attributes that have been resolved. In block 1209, the component adds the attribute information entry to the attribute information list and then returns.